

Specification of Competency Standards
for the Arboriculture & Horticulture Industry
Unit of Competency

Functional Area - Planting, Caring and Management of Plants

Title	Plan tree restoration operations
Code	109101L4
Range	This unit of competency is applicable to technical personnel who are engaged in planning tree restoration operations in the arboriculture and horticulture industry. Practitioners should be capable of determining the direction of tree restoration according to the contract requirements, the form of the target trees, and the health and structure of the trees. They should also be able to plan the tree restoration and maintenance work at different stages.
Level	4
Credit	4 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to planning tree restoration operations</p> <ul style="list-style-type: none"> • Comprehend the procedures and related measures of tree restoration operations • Comprehend the causes of tree damage and the corresponding preventive measures • Comprehend the methods to stimulate or control tree growth • Possess knowledge of tree biology, plant physiology, tree mechanics, defects in tree structure, tree health, pests and diseases of plants, etc. • Comprehend the professional technical knowledge of tree restoration work at different stages, such as methods of rebuilding tree crowns, tree pruning cycle and responses of trees to pruning <p>2. Plan tree restoration operations</p> <ul style="list-style-type: none"> • Observe the form of the target trees on-site and inspect the structure and health conditions of the trees • Confirm the direction of tree restoration with clients based on the inspection results • Choose suitable methods to stimulate or control tree growth • Plan the tree restoration and maintenance work at different stages • Provide clients with maintenance guidelines after tree restoration and suggest a suitable pruning cycle • Inspect the growth of trees regularly to adjust the related tree restoration measures in a timely manner
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to inspect the structure and health conditions of the target trees, and observe the form of them; • Able to confirm the direction of tree restoration with clients and adopt suitable tree restoration methods based on the inspection results; and • Able to plan the tree restoration and maintenance work at different stages, provide clients with maintenance guidelines, and adjust the related tree restoration measures according to the growth of trees.
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